

CLAIMS:

1. A method for blending and dispensing fuel comprising:
receiving and storing gasoline in a first tank at a filling station;
receiving and storing a fuel additive in a second tank at the filling station;
5 pumping a portion of the gasoline from the first tank and a portion of the
additive from the second tank:
blending the gasoline pumped from the first tank with the additive pumped
from the second tank to create a blended fuel; and
dispensing the blended fuel to a customer.
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2. The method as set forth in claim 1, wherein the gasoline and the
additive are blended with a chemical proportioner.
3. The method as set forth in claim 1, further including the step of
15 permitting the customer to select a percentage of additive to blend with the gasoline.
4. The method as set forth in claim 3, further including the step of
storing the percentage selected by the customer along with an identifier for the
customer.
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5. The method as set forth in claim 4, further including the step of
displaying the stored percentage to the customer during subsequent trips to the
filling station so that the customer may automatically select the percentage.
- 25 6. The method as set forth in claim 5, wherein the identifier is a credit
card number used by the customer when paying for the blended fuel.

7. The method as set forth in claim 1, wherein the additive is selected from the group consisting of a biomass fuel, an octane enhancing compound and an engine cleaner.

5 8. The method as set forth in claim 7, wherein the biomass fuel is ethanol.

9. The method as set forth in claim 3, further including the step of determining a price for the blended fuel based on the percentage additive selected
10 by the customer and displaying the price.

10. A filling station comprising:
a first tank for receiving and storing gasoline;
a second tank for receiving and storing an additive;
a pump assembly operably coupled with the first and second tanks and
5 including -
a first pump positioned in the first tank,
a second pump positioned in the second tank,
a proportioner operably coupled with the first and second pumps for
blending a selected amount of gasoline pumped from the first
10 tank with a selected amount of additive pumped from the
second tank to create a blended fuel, and
a nozzle/valve assembly operatively coupled with the proportioner for
dispensing the blended fuel to a customer.
11. The filling station as set forth in claim 10, the pump assembly further
15 including an input device for permitting the customer to select a percentage of
additive to blend with the gasoline.
12. The filling station as set forth in claim 11, the pump assembly further
20 including a computing device for calculating a price for the blended fuel based on
the percentage of additive selected by the customer.
13. The filling station as set forth in claim 11, the computing device being
further operable for storing the percentage selected by the customer along with an
25 identifier for the customer.
14. The filling station as set forth in claim 13, the computer device being
further operable for presenting the percentage to the customer during subsequent
trips to the filling station so that the customer may automatically select the
30 percentage.

15. The filling station as set forth in claim 10, wherein the additive is ethanol.

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